

SUPPORT FIXTURE FOR THERMAL CURING PROCESSES

4 ABSTRACT OF THE DISCLOSURE

A flexible or semi-rigid support fixture is sized and shaped to supportably engage a surface of a polymeric matrix object such
8 as an organic bonded abrasive grinding wheel. The support
fixture is utilized to support the object to help prevent
slumping and/or expansion during thermal curing operations.
The fixture is fabricated from a material, such as silicone
12 rubber, that is capable of withstanding heat commonly
associated with thermal curing operations and which provides
sufficient resilience to permit use with objects manufactured
within a relatively wide range of dimensional tolerances.
16 Suitable materials include silicone rubber or other polymers or
copolymers such as PTFE, FEP, Polyimide or blends with or
without fillers or substrates.

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